VOLUME 20 1988

SUBJECT INDEX

Action potentials, 757
  dissociated cell cultures
  ionic currents
  supraoptic neurons
Activity-stress paradigm, 407
  corticosterone levels
  neuroendocrine correlates
  stress
Adenosine
  cardiovascular effects, 129
  cerebral cortical neurons, 151
  estradiol, 151
  nucleus tractus solitarius, 129
Adenylate cyclase, 447
  dopamine receptors
  lesions, neurotoxin
Adrenal medullary cell grafts, 399
  carotid body glucose cell grafts
  lesions, 6-OHDA
  PC12 cell grafts
Afferent projections, 139
  parafascicular thalamic nucleus
  retrograde transport
  wheat germ agglutinin
Amygdala, 467
  excitant amino acid projections
  nucleus accumbens
  thalamus
Anatomical atlas, 283
  brain, baboon
  orbitomeatal plane
  positron emission tomography
Anatomical characterization, 307
  dopamine
  electrophysiology
  supramammillary nucleus
Angiotensin II, 493
  fluid exchange
  receptor regulation
Anterior olfactory nucleus, 549
  main olfactory bulb
  morphology
  neurons
Anterograde degeneration, 503
  goldfish
  hypothalamus
  telencephalic projections
Antipyresis, 887
  arginine vasopressin
  convulsive disorders
  lesions, ventral septal area
  thermoregulation
Anxiety, 603
  anxiogenic endogenous ligand
  benzodiazepine withdrawal
Anxiogenic endogenous ligand, 603
  anxiety
  benzodiazepine withdrawal
Arachidonate cascade, 75
  interleukin-1
  PO/AH thermosensitive neuron
Area postrema, 97
  glial toxin
  gold thioglucose
  hypothalamus
Arginine vasopressin, 887
  antipyresis
  convulsive disorder
  lesions, ventral septal area
  thermoregulation
Armadillo, 539
  computer program
  isopotential contours
Atrial natriuretic peptide
  brain binding sites, 1
  central nervous system functions, 831
  choroid plexus, 253
  excitatory effects, 627
  guanylate cyclase activity, 253
  hypothalamus, 831
  in vitro, 627
  luteinizing hormone secretion, 831
  prehypertensive blood pressure, 1
  strain differences, 1
  subfornical organ, 253
  subfornical organ neurons, 627
  vasopressin, 831
Atropine, 203
  diminished cholinergic innervation
  olfactory bulb kindling
Autonomic functions, 765
  oxytocin antagonists
  oxytocin-sensitive neurons
  parasympathetic system
Autoradiography, 163
  cell degeneration
  cellular localization
  cerebellum
  muscarinic receptors
Avoidance, 13
  blood pressure
  chemical stimulation
  electrical stimulation
  heart rate
  orienting response
  periaqueductal grey
  respiration
  superior colliculus
AV3V region, 803
  electrical brain stimulation
  lesion, AV3V
  natriuresis
  neurohypophysis
  oxytocin neuron control

Baroreceptors, 771
  chemoreceptors
  neurosecretory neurons
Baroreflex bradycardia, 633
  cats
  GABAergic mechanism
  posterior hypothalamus
Basement membranes, 27
  brain microvessels
  glycosaminoglycans
Benzodiazepine withdrawal, 603
  anxiety
  anxiogenic endogenous ligand
Blood pressure, 13
  avoidance
  chemical stimulation
  electrical stimulation
  heart rate
  orienting response
  periaqueductal grey
  respiration
  superior colliculus
Blood vessels, hypothalamic, 267
  electron microscopy
  hypothalamus
  oxytocin-like immunoreactivity
Brain
  amygdala, 467
  anterior olfactory nucleus, 549
  apical subnucleus, 233
  area postrema, 1, 97, 479
  AV3V region, 803
  basal forebrain, 203, 529
  basal lamina, 33
  brainstem, 529
  caudate, 597
  caudate-putamen, 447
  cerebellar cortex, 473
  cerebellum, 163
  cerebral cortex, 151, 173, 597
  choroid plexus, 1, 253
  cisterna magna, 415
  diagonal band of Broca, 897
  dorsal hypothalamus, 487
  dorsal lateral geniculate nucleus, 573
  dorsal motor nucleus of the vagus, 479, 765
  dorsal thalamus, 333
  dorsal vagal motor nucleus, 189
  dorsomedial hypothalamic nucleus, 863
  dorsomedial medulla, 197
  endoplasmic reticulum, 211
  external cuneate nucleus, 479
  fascia dentata, 369
  frontal cortex, 567
  geniculate nucleus, 897
  gustatory neocortex, 619
  hippocampal formation, 237
  hippocampus, 597
  hypoglossal nucleus, 83
  hypothalamic ventromedial nucleus, 857
  hypothalamus, 49, 97, 105, 157, 179, 267, 273, 303, 361, 369, 493, 503, 657, 669, 693, 709, 737, 743, 779, 811, 831, 893, 897
  inferior olivary nucleus, 479
  interpeduncular nucleus, 59, 233
  lamina terminalis, 49

lateral hypothalamus, 415, 791, 839, 847
lateral parabrachial nucleus, 257
lateral septal, nucleus, 307
locus coeruleus, 897
main olfactory bulb, 549
medial preoptic area, 323, 897, 863
medial septum, 211
median eminence, 49, 211, 713, 729, 831
mediodorsal thalamus, 241, 247
medulla oblongata, 581, 791
midbrain, 581
neostriatum, 597
neurohypophysis, 33, 743
nodose ganglion, 189
nucleus accumbens, 247, 467
nucleus tractus solitarius, 9, 129, 479, 487, 545, 799
olfactory bulb, 421, 799
olfactory cortex, 433
organum vasculosum, 49, 211
parabrachial nucleus, 897
paramedian reticular nucleus, 515
paraventricular nucleus, 415, 461, 699, 729, 779, 791, 799, 825
pedunculopontine nucleus, 241
periaqueductal grey, 13, 897
pons, 581
posterior hypothalamus, 633
preoptic/anterior hypothalamus, 75, 879
preoptic area, 211, 721, 857, 871
pulvinar nucleus, 573
raphe, 233, 897
reticular formation, 897
septum, 233, 493
somatic motor cortex, 333
somatosensory cortex, 597
striatum, 567
subfornical organ, 253, 627
subpallidal region, 247
substantia nigra, 447
superior cervical ganglion, 189
superior colliculus, 13
supramammillary nucleus, 307
supraoptic nucleus, 737, 743, 751, 771, 803
thalamus, 467, 493, 529
third ventricle, 737
vagus nerve, 189, 791, 799, 811
ventral septal area, 887
ventromedial hypothalamic nucleus, 863
ventromedial hypothalamus, 415, 461
zona externa, 49
Brain, baboon, 283
anatomical atlas
orbitomeatal plane
positron emission tomography
Brain binding sites, 1
atrial natriuretic factor
prehypertensive blood pressure
strain differences
Brain mapping, 713
gonadotropin-releasing hormone
LHRH system
luteinizing hormone-releasing hormone
median eminence
ovariectomy
Brain microvessels, 27
basement membranes
glycosaminoglycans
Brain, rat, 369
fascia dentata tissue
hippocampal tissue
hippocampus
laminar specific nerve connections
neuropeptide specific nerve connections
xenograft
Brain tissue slices, 857
hypothalamic ventromedial nucleus
in vitro
lordosis
preoptic area
single unit activity

Calcitonin, 415
lesions, gastric
stress
Calcitonin gene-related peptide, 257
lateral parabrachial nucleus
neurotensin
substance P
Calcium, 607
cationic conductance
neurons
sodium
Calcium-indicator dyes, 611
imaging spectrophotometer
potential-sensitive dyes
Carbachol, 9
nucleus tractus solitarius
paradoxical sleep
somatostatin antiserum
Cardiac vagal control, 785
hyperthyroidism
tachycardia
vagal excitability
Cardiovascular effects, 129
adenosine
nucleus tractus solitarius
Cardiovascular regulation, 779
hypothalamus
paraventricular nucleus
PVN stimulation
renal nerve activity
Carotid body glomus cell grafts, 399
adrenal medullary cell grafts
lesions, 6-OHDA
PC12 cell grafts
Castration, 33
neurohypophysis
pituicyte
testosterone replacement
Cat
baroreflex bradycardia, 633
dorsal lateral geniculate nucleus, 573
GABAergic mechanism, 633
multiple unit activity, 897
posterior hypothalamus, 633
preoptic area, 897
pulvinar nucleus, 573
slow wave sleep, 897
visual pretectal neurons, 573
Catecholamine/LHRH interaction, 49
immunocytochemistry
sheep
Catecholamine neurotransmission, 173
cortical neurons responses
trace amines
Cationic conductance, 607
calcium
neurons
sodium
Caudal medulla, 515
inhibitory mechanism
paramedian reticular nucleus
Cell body location, 189
ferret
vagal communicating branch
vagus nerve
Cell culture, 39
cocaine
neuroglioblastoma cells
nuclear alterations
Cell degeneration, 163
autoradiography
cellular localization
cerebellum
muscarinic receptors
Cellular localization, 163
autoradiography
cellular localization
cerebellum
muscarinic receptors
Central catecholamine concentrations, 651
diabetes
norepinephrine
Central nervous system functions, 831
atrial natriuretic factor
hypothalamus
luteinizing hormone secretion
vasopressin
Central projections, 479
ferret
vagal communicating branch
Cerebellar cortex, 473
endogenous-opioid systems
neural development
Cerebellum, 163
autoradiography
cell degeneration
cellular localization
muscarinic receptors
Cerebral cortical neurons, 151
adenosine
estradiol
Cerebral glucose utilization, 381
nicotine
visual system
Chemical stimulation, 13
avoidance
blood pressure
electrical stimulation
heart rate
orienting response
periaqueductal grey
respiration
superior colliculus
Chemoreceptors, 771
baroreceptors
neurosecretory neurons
Choroid plexus, 253
atrial natriuretic peptide
guanylate cyclase activity
subfornical organ
Circadian pacemaker, 89
imipramine
serotonin-sensitivity
suprachiasmatic nuclei
ventral lateral geniculate nuclei
CNS acetylcholine receptors, 315
luteinizing hormone secretion

neosurgatoxin
CNS vasculature, 105
hypothalamic transplants
magnocellular neurosecretory system
Cocaine, 39
cell culture
neuroglioblastoma cells
nuclear alterations
Computer-generated rotation analyses, 545
neurons
nucleus of the solitarius tract
Computer program, 539
armadillo
isopotential contours
Convulsive disorders, 887
antipyresis
arginine vasopressin
lesions, ventral septal area
thermoregulation
Cortical neurons responses, 173
catecholamine neurotransmission
trace amines
Corticosterone levels, 407
activity-stress paradigm
neuroendocrine correlates
stress
Corticotropin-releasing factor immunoreactivity, 361
gonadal regulation
hypothalamus
Current generators, 433
late components
olfactory cortex

Data acquisition program, 133
microcomputer-based sleep system
system calibration programs
Data reduction program, 125
peptide radioimmunoassays
Dehydration
dendrites, 675
hypertension, 675
magnocellular neurones, 675
osmosensitive neuron, 879
thermoregulation, 879
thermosensitive neuron, 879
Dendrites, 675
dehydration
hypertension
magnocellular neurons
Diabetes, 651
central catecholamine concentrations
norepinephrine
Differential distributions, 277
interpeduncular nucleus
oxidative enzymes
Differential intracellular labelling, 261
ethidium bromide
Lucifer yellow
neurones
Diminished cholinergic innervation, 203
atropine
olfactory bulb kindling
Dissociated cell cultures, 757
action potentials
ionic currents
supraoptic neurons
Dopamine, 307
anatomical characterization
electrophysiology
supramammillary nucleus
Dopamine neurons, 323
medial preoptic area
sexual behavior, male rat
Dopamine receptors, 447
adenylate cyclase
lesions, neurotoxin
Dopaminergic pathways, 847
hunger motivated behavior
lesions, lateral hypothalamus
Dorsal hypothalamus, 487
hepatoportal osmoreceptor
nucleus tractus solitarius
Dorsal lateral geniculate nucleus, 573
cat
pulvinar nucleus
visual pretectal neurons
Dorsal thalamus, 333
thalamic connectivity
somatic motor cortex
Dorsomedial hypothalamic nucleus, 863
medial preoptic area
monkeys
sexual behavior, monkeys
single neuron activity
ventromedial hypothalamic nucleus
Dorsomedial medulla, 197
paraventricular nucleus neurons
subfornical organ
systemic angiotensin
Drug
acetylcholine, 173, 857
adenosine, 129
apomorphine, 323
atropine, 203, 273
bicuculline, 771
(^{76}Br)-bromospiperone, 283
carbachol, 9
p-chloroamphetamine, 303
p-chlorophenylalanine, 303
cocaine, 39
2-deoxytetronic acid, 825
desipramine, 447
dexamethasone, 407
5,7-dihydroxytryptamine, 303
domperidone, 831
dopamine, 839
DSP4, 643
flumazenil, 603
fluphenazine, 567
GABA, 173, 247, 771
glucose, 839
glutamate, 173, 839
L-glutamate, 779
haloperidol, 247
6-hydroxydopamine, 323, 847
5-hydroxytryptamine, 173
ibotenic acid, 847
imipramine, 89
kainic acid, 529, 847
lithium chloride, 619
mepacrine, 75
alpha-methyl *p*-tyrosine, 323
morphine, 743, 839
naloxone, 643, 743, 831
neosurgatoxin, 315
nicotine, 381
noradrenaline, 173, 839
norepinephrine, 857
6-OHDA, 447
β-phenylethylamine, 173
procaine, 241, 247
reserpine, 529
(^{11}C)-Ro 15-1788, 283
scopolamine, 529
serotonin, 89, 857
sodium arachidonate, 75
sodium salicylate, 75
SRIF-AS, 9
Drug addiction, 893
hypothalamus
morphine dependence
neuropeptides
Drug interaction, 643
DSP4
growth
luteinizing hormone
puberty
DSP4, 643
drug interaction
growth
luteinizing hormone
puberty

Electrical brain stimulation, 803
AV3V region
lesion, AV3V
natriuresis
neurohypophysis
oxytocin neuron control
Electrical stimulation, 13
avoidance
blood pressure
chemical stimulation
heart rate
orienting response
periaqueductal grey
respiration
superior colliculus
Electron microscopy, 267
blood vessels, hypothalamic
hypothalamus
oxytocin-like immunoreactivity
Electrophysiology, 307
anatomical characterization
dopamine
supramammillary nucleus
Endogenous opioid systems, 473
cerebellar cortex
neural development
Estradiol
adenosine
cerebral cortical neurons
Estrogen binding, 273
hypothalamus
sex differences
Ethidium bromide, 261
differential intracellular labelling
Lucifer yellow
neurones
Evoked potentials/responses, 83
hypoglossal nucleus
labyrinthine projection
Excitant amino acid projections, 467
amygdala
nucleus accumbens
thalamus
Excitatory effects, 627
atrial natriuretic peptide
in vitro
subfornical organ neurons

Fascia dentata tissue, 369

brain, rat
hippocampal tissue
hippocampus
laminar specific nerve connections
neuropeptide specific connections
xenograft
Feeding behavior, 839
glucose sensitivity
monkeys
single neuron activity
Ferret
cell body location, 189
central projections, 479
hypothalamus, 157
immunocytochemistry, 157
luteinizing hormone-releasing hormone, 157
vagal communicating branch, 189, 479
vagus nerve, 189
Fluid exchange, 493
angiotensin II
receptor regulation
Fluorescent retrograde labelling, 233
immunocytochemistry
neurons
Fluphenazine, 567
lesion, 6-hydroxydopamine
plasma homovanillic acid
Food deprivation, 183
hyperthermia
prostaglandin E_1
water deprivation
Food handling, 247
GABA
haloperidol
mediodorsal thalamus
nucleus accumbens
procaine
subpallidal region
Functional ablation, 421
olfactory bulb
spreading depression
transient anosmia
unit activity changes

GABA, 247
haloperidol
mediodorsal thalamus
nucleus accumbens
procaine
subpallidal region
GABAergic mechanism, 633
baroreflex bradycardia
cats
posterior hypothalamus
Gastric acid secretion, 791
gastric type glucose sensitive neuron
hypothalamus
Gastric type glucose sensitive neuron, 791
gastric acid secretion
hypothalamus
GFAP, 669
hypothalamus
neurohypophyseal peptides
Glial toxin, 97
area postrema
goldthioglucose
hypothalamus
Glucose level, 811
homeostasis
neural control
pancreatic vagal efferents
Glucose sensitivity, 839
feeding behavior
monkeys
single neuron activity
Glycosaminoglycans, 27
basement membranes
brain microvessels
Goldfish, 503
anterograde degeneration
hypothalamus
telencephalic projections
Goldthioglucose, 97
area postrema
glial toxin
hypothalamus
Gonadal regulation, 361
corticotropin releasing factor immunoreactivity
hypothalamus
Gonadotropic hormones, 709
hypothalamus
ovaries
puberty
Gonadotropin-releasing hormone, 713
brain mapping
LHRH system
luteinizing hormone-releasing hormone
median eminence
ovariectomy
Growth, 643
drug interaction
DSP4
luteinizing hormone
puberty
Guanylate cyclase activity, 253
atrial natriuretic peptide
choroid plexus
subfornical organ
Gustatory function, 619
lesion, gustatory neocortex
neural tissue transplantation

Haloperidol, 247
food handling
GABA
mediodorsal thalamus
nucleus accumbens
procaine
subpallidal region
Hamsters, 211
luteinizing hormone-releasing hormone
ultrastructure
Heart rate, 13
avoidance
blood pressure
chemical stimulation
electrical stimulation
orienting response
periaqueductal grey
respiration
superior colliculus
Hepatoportal osmoreceptor, 487
dorsal hypothalamus
nucleus tractus solitarius
Hippocampal tissue, 369
brain, rat
fascia dentata tissue
hippocampus
laminar specific nerve connections
neuropeptide specific nerve connections
xenograft
Hippocampus
brain, rat, 369
fascia dentata tissue, 369
hippocampal tissue, 369
laminar specific nerve connections, 369
neuropeptide specific nerve connections, 369
raphe cell transplantation, 303
serotonin levels, 303
xenograft, 369
History of thought, 657
hypothalamic function studies
Homeostasis, 811
glucose level
neural control
pancreatic vagal efferents
Homeostatic systems, 871
osmolality
preoptic tissue slices
Hormone
estradiol, 361
17 α-estradiol, 151
17 β-estradiol, 151
gonadotropin-releasing hormone, 361
prostaglandin E_1, 183
testosterone, 33, 361
Hunger motivated behavior, 847
dopaminergic pathways
lesions, lateral hypothalamus
Hybridization, 693
oligonucleotide
oxytocin
Hypertension, 675
dehydration
dendrites
magnocellular neurones
Hyperthermia, 183
food deprivation
prostaglandin E_1
water deprivation
Hyperthyroidism, 785
cardiac vagal control
tachycardia
vagal excitability
Hypoglossal nucleus, 83
evoked potentials/responses
labyrinthine projection
Hypophysiotrophic neurons, 729
lesions, paraventricular nucleus
neuropeptide secretion
Hypothalamic function studies, 657
history of thought
Hypothalamic transplants, 105
CNS vasculature
magnocellular neurosecretory system
Hypothalamic ventromedial nucleus, 857
brain tissue slices
in vitro
lordosis
preoptic area
single unit activity
Hypothalamo-neurohypophysial system, 751
neural/glial interactions
supraoptic nucleus
synaptic plasticity
Hypothalamus
anterograde degeneration, 503
area postrema, 97

atrial natriuretic factor, 831
blood vessels, hypothalamic, 267
cardiovascular regulation, 779
central nervous system functions, 831
corticotropin-releasing factor immunoreactivity, 361
drug addiction, 893
electron microscopy, 267
estrogen binding, 273
ferret, 157
gastric acid secretion, 791
gastric type glucose sensitive neuron, 791
GFAP, 669
glial train, 97
goldfish, 503
goldthioglucose, 97
gonadal regulation, 361
gonadotropic hormones, 709
immunocytochemistry, 157
luteinizing hormone-releasing hormone, 157
luteinizing hormone secretion, 831
monkeys, 179
morphine dependence, 893
neurohypophyseal peptides, 669
neuropeptides, 893
ovaries, 709
oxytocin-like immunoreactivity, 267
paraventricular nucleus, 779
puberty, 709
PVN nerve activity, 779
renal nerve activity, 779
sex differences, 273
sweating, 179
telencephalic projections, 503
thermoregulation, 179
vasopressin, 831

Imaging spectrophotometer, 611
calcium-indicator dyes
potential-sensitive dyes
Imipramine, 89
circadian pacemaker
serotonin-sensitivity
suprachiasmatic nuclei
ventral lateral geniculate nuclei
Immunocytochemistry
catecholamine/LHRH interaction, 49
ferret, 157
fluorescent retrograde labelling, 233
hypothalamus, 157
interpeduncular nucleus, 59
luteinizing hormone-releasing hormone, 157
neurons, 233
prenatal/postnatal periods, 59
sheep, 49
substance P development, 59
Immunohistochemistry, 349
serotonergic intraspinal neuron distribution
serotonergic intraspinal neuron morphology
Inhibitory mechanism, 515
caudal medulla
paramedian reticular nucleus
Interleukin-1, 75
arachidonate cascade
PO/AH thermosensitive neuron
Interpeduncular nucleus
differential distribution, 277
immunocytochemistry, 59
oxidative enzymes, 277
prenatal/postnatal periods, 59
substance P development, 59
In vitro
atrial natriuretic peptide, 627
brain slices, 857
excitatory effects, 627
hypothalamic ventromedial nucleus, 857
lordosis, 857
osmosensitivity, 825
paraventricular neurons, 825
preoptic area, 857
single unit activity, 857
subfornical organ neurons, 627
thermosensitivity, 825
In vivo, 817
rostrodiencephalic neurons
vasopressin receptors
Isopotential contours, 539
armadillo
computer program

Labyrinthine projection, 83
evoked potentials/responses
hypoglossal nucleus
Lactation, 743
opioid peptides
oxytocin neurons
parturition
Laminar specific nerve connections, 369
brain, rat
fascia dentata tissue
hippocampal tissue
hippocampus
neuropeptide specific nerve connections
xenograft
Late components, 433
current generators
olfactory cortex
Lateral parabrachial nucleus, 257
calcitonin gene-related peptide
neurotensin
substance P
Lesions, AV3V, 803
AV3V region
electrical brain stimulation
natriuresis
neurohypophysis
oxytocin neuron control
Lesions, gastric, 415
calcitonin
stress
Lesions, gustatory neocortex, 619
gustatory function
neural tissue transplantation
Lesions, 6-hydroxydopamine, 567
fluphenazine
plasma homovanillic acid
Lesions, lateral hypothalamus, 847
dopaminergic pathways
hunger motivated behavior
Lesions, neurotoxin, 447
adenylate cyclase
dopamine receptors
Lesions, 6-OHDA, 399
adrenal medullary cell grafts
carotid body glomus cell grafts
PC12 cell grafts
Lesions, paraventricular hypothalamic, 461
lesions, ventromedial hypothalamic
paraventricular hypothalamus
sympathetic activity
ventromedial hypothalamus
Lesions, paraventricular nucleus, 729
hypophysiotrophic neurons
neuropeptide secretion
Lesions, ventral septal area, 887
antipyresis
arginine vasopressin
convulsive disorders
thermoregulation
Lesions, ventromedial hypothalamic, 461
lesions, paraventricular hypothalamic
paraventricular hypothalamus
sympathetic activity
ventromedial hypothalamus
LH secretion, 721
neonatal androgenisation
noradrenaline
preoptic area
LHRH system, 713
brain mapping
gonadotropin-releasing hormone
luteinizing hormone-releasing hormone
median eminence
ovariectomy
Locomotor activity, 241
differential effects
mediodorsal thalamus
pedunculopontine nucleus
procaine
Lordosis, 857
brain tissue slices
hypothalamic ventromedial nucleus
in vitro
preoptic area
single unit activity
Lucifer yellow, 261
differential intracellular labelling
ethidium bromide
neurones
Luteinizing hormone, 643
drug interaction
DSP4
growth
puberty
Luteinizing hormone-releasing hormone
brain mapping, 713
ferret, 157
gonadotropin-releasing hormone, 713
hamsters, 211
hypothalamus, 157
immunocytochemistry, 157
LHRH system, 713
median eminence, 713
ovariectomy, 713
ultrastructure, 211
Luteinizing hormone secretion
atrial natriuretic factor, 831
central nervous system functions, 831
CNS acetylcholine receptors, 315
hypothalamus, 831
neosurgatoxin, 315
vasopressin, 831

Magnocellular neurones, 675
dehydration
dendrites

hypertension
Magnocellular neurosecretory system, 105
CNS vasculature
hypothalamic transplants
Main olfactory bulb, 549
anterior olfactory nucleus
morphology
neurons
Medial preoptic area
dopamine neurons, 323
dorsomedial hypothalamic nucleus, 863
monkeys, 863
sexual behavior male rat, 323
sexual behavior, monkeys, 863
single neuron activity, 863
ventromedial hypothalamic nucleus, 863
Median eminence, 713
brain mapping
gonadotropin-releasing hormone
LHRH system
luteinizing hormone-releasing hormone
ovariectomy
Mediodorsal thalamus
differential effects, 241
food hoarding, 247
GABA, 247
haloperidol, 247
locomotor activity, 241
nucleus accumbens, 247
pedunculopontine nucleus, 241
procaine, 241, 247
subpallidal region, 247
Medulla oblongata, 581
midbrain
pons
reticulospinal neurons
thermoresponsiveness
Method
AChE histochemistry, 369
autoradiography, 163, 447, 765
electron microscopic immunocytochemistry, 211
electron microscopy, 39, 267, 369, 549
electrophoresis, 839
fluorescent retrograde labelling, 233
histochemistry, 693
horseradish peroxidase, 189, 549, 573
immunocytochemistry, 59, 157, 233, 261, 307, 399, 699, 757
immunohistochemistry, 349, 369, 669
microiontophoresis, 173
Timm sulphide silver stain, 369
ultrastructural immunocytochemistry, 737
Microcomputer-based sleep system, 133
data acquisition program
system calibration programs
Midbrain, 581
medulla oblongata
pons
reticulospinal neurons
thermoresponsiveness
Milk ejection reflex, 737
neuropeptide central release
oxytocin
supraoptic nucleus
Monkeys
dorsomedial hypothalamic nucleus, 863
feeding behavior, 839
glucose sensitivity, 839
hypothalamus, 179
medial preoptic area, 863
sexual behavior, monkeys, 863
single neuron activity, 839, 863
sweating, 179
thermoregulation, 179
ventromedial hypothalamic nucleus, 863
Morphine dependence, 893
drug addiction
hypothalamus
neuropeptides
Morphological plasticity, 681
neuronal-glial plasticity
oxytocinergic
pregnancy
synaptic
Morphology, 549
anterior olfactory nucleus
main olfactory bulb
neurons
Multiple unit activity, 897
cats
preoptic area
slow wave sleep
Muscarinic receptor binding, 597
raccoon
sensory deafferentation
somatosensory cortex
Muscarinic receptors, 163
autoradiography
cell degeneration
cellular localization
cerebellum

Natriuresis, 803
AV3V region
electrical brain stimulation
lesion, AV3V
natriuresis
neurohypophysis
oxytocin neuron control
Neocortical activation, 529
thalamic neurons
Neonatal androgenisation, 721
LH secretion
noradrenaline
preoptic area
Neosurgatoxin, 315
CNS acetylcholine receptors
luteinizing hormone secretion
Neural control, 811
glucose level
homeostasis
pancreatic vagal efferents
Neural development, 473
cerebellar cortex
endogenous opioid systems
Neural/glial interactions, 751
hypothalamo-neurohypophysial system
supraoptic nucleus
synaptic plasticity
Neural tissue transplantation, 619
gustatory function
lesion gustatory function
Neuroendocrine correlates, 407
activity-stress paradigm
corticosterone levels
stress
Neuroglioblastoma cells, 39
cell culture
cocaine
nuclear alterations
Neurohypophyseal peptides, 669
GFAP
hypothalamus
Neurohypophysis
AV3V region, 803
castration, 33
electrical brain stimulation, 803
lesion, AV3V, 803
natriuresis, 803
oxytocin neuron control, 803
pituicyte, 33
testosterone replacement, 33
Neuronal-glial plasticity, 681
morphological plasticity
oxytocinergic
pregnancy
synaptic
Neurons
anterior olfactory nucleus, 549
calcium, 607
cationic conductance, 607
computer-generated rotation analyses, 545
differential intracellular labelling, 261
ethidium bromide, 261
fluorescent retrograde labelling, 233
immunocytochemistry, 233
Lucifer, 261
main olfactory bulb, 549
morphology, 549
nucleus of the solitarius tract, 545
sodium, 607
Neuropeptide central release, 737
milk ejection reflex
oxytocin
supraoptic nucleus
Neuropeptide secretion, 729
hypophysiotrophic neurons
lesions, paraventricular nucleus
Neuropeptide specific nerve connections, 369
brain, rat
fascia dentata tissue
hippocampal tissue
hippocampus
laminar specific nerve connections
xenograft
Neuropeptides, 893
drug addiction
hypothalamus
morphine dependence
Neurosecretory neurons, 771
baroreceptors
chemoreceptors
Neurotensin, 257
calcitonin gene-related peptide
lateral parabrachial nucleus
substance P
Neurotransmitter plasticity, 699
paraventricular neurons
transmitter coexistence
Nicotine, 381
cerebral glucose utilization
visual system
Noradrenaline, 721
LH secretion
neonatal androgenization
preoptic area

Norepinephrine, 651
  central catecholamine concentrations
  diabetes
Nuclear alterations, 39
  cell culture
  cocaine
  neuroglioblastoma cells
Nucleus accumbens
  amygdala, 467
  excitant amino acid projections, 467
  food hoarding, 247
  GABA, 247
  haloperidol, 247
  mediodorsal thalamus, 247
  procaine, 247
  subpallidal region, 247
  thalamus, 467
Nucleus tractus solitarius
  adenosine, 129
  carbachol, 9
  cardiovascular effects, 129
  computer-generated rotation analyses, 545
  dorsal hypothalamus, 487
  hepatoportal osmoreceptor, 487
  neurons, 545
  olfactory bulb, 799
  paradoxical sleep, 9
  paraventricular nucleus, 799
  somatostatin antiserum, 9
  vagus nerve, 799

Olfactory bulb
  functional ablation, 421
  nucleus of the solitary tract, 799
  paraventricular nucleus, 799
  spreading depression, 421
  transient anosmia, 421
  unit activity changes, 421
  vagus nerve, 799
Olfactory bulb kindling, 203
  atropine
  diminished cholinergic innervation
Olfactory cortex, 433
  current generators
  late components
Oligonucleotide, 693
  hybridization
  oxytocin
Opioid peptides, 743
  lactation
  oxytocin neurons
  parturition
Optic axons, 223
  regeneration
  Schwann cells
  sciatic nerve isografts
Orbitomeatal plane, 283
  anatomical atlas
  brain, baboon
  positron emission tomography
Orienting response, 13
  avoidance
  blood pressure
  chemical stimulation
  electrical stimulation
  heart rate
  periaqueductal grey
  respiration
  superior colliculus
Osmolality, 871
  homeostatic systems
  preoptic tissue slices
Osmosensitive neuron, 879
  dehydration
  thermoregulation
  thermosensitive neuron
Osmosensitivity, 825
  in vitro studies
  paraventricular neurons
  thermosensitivity
Ovariectomy, 713
  brain mapping
  gonadotropin-releasing hormone
  LHRH system
  luteinizing hormone-releasing hormone
  median eminence
Ovaries, 709
  gonadotropic hormones
  hypothalamus
  puberty
Oxidative enzymes, 277
  differential distributions
  interpeduncular nucleus
Oxytocin
  hybridization, 693
  milk ejection reflex, 737
  neuropeptide central release, 737
  oligonucleotide, 693
  supraoptic nucleus, 737
Oxytocin antagonists, 765
  autonomic functions
  oxytocin-sensitive neurones
  parasympathetic system
Oxytocin neuron control, 803
  AV3V region
  electrical brain stimulation
  lesion, AV3V
  natriuresis
  neurohypophysis
Oxytocin neurons, 743
  lactation
  opioid peptides
  parturition
Oxytocinergic, 681
  morphological plasticity
  neuronal-glial plasticity
  pregnancy
  synaptic
Oxytocin-like immunoreactivity, 267
  blood vessels, hypothalamic
  electron microscopy
  hypothalamus
Oxytocin-sensitive neurones, 765
  autonomic functions
  oxytocin antagonists
  parasympathetic system

Pancreatic vagal efferents, 811
  glucose level
  homeostasis
  neural control
Paradoxical sleep, 9
  carbachol
  nucleus tractus solitarius
  somatostatin antiserum
Parafascicular thalamic nucleus, 139
  afferent projections
  retrograde transport
  wheat germ agglutinin
Paramedian reticular nucleus, 515
  caudal medulla
  inhibitory mechanism
Parasympathetic system, 765
  autonomic functions
  oxytocin antagonists
  oxytocin-sensitive neurones
Paraventricular hypothalamus, 461
  lesions, paraventricular hypothalamic
  lesions, ventromedial hypothalamic
  sympathetic activity
  ventromedial hypothalamus
Paraventricular nucleus
  cardiovascular regulation, 779
  dorsomedial medulla, 197
  hypothalamus, 779
  in vitro studies, 825
  neurotransmitter plasticity, 699
  nucleus of the solitary tract, 799
  olfactory bulb, 799
  osmosensitivity, 825
  PVN stimulation, 779
  renal nerve activity, 779
  subfornical organ, 197
  systemic angiotensin, 197
  thermosensitivity, 825
  transmitter coexistence, 699
  vagus nerve, 799
Parturition, 743
  lactation
  opioid peptides
  oxytocin neurons
PC12 cell grafts, 399
  adrenal medullary cell grafts
  carotid body glomus cell grafts
  lesions, 6-OHDA
Pedunculopontine nucleus, 241
  differential effects
  locomotor activity
  mediodorsal thalamus
  procaine
Peptide
  angiotensin II, 817, 825
  arginine vasopressin, 857, 887
  atrial natriuretic peptide, 253, 627, 825, 831
  calcitonin, 415
  calcitonin gene-related peptide, 257
  gonadotropin-releasing hormone, 713
  interleukin-1, 75
  luteinizing hormone-releasing hormone, 713, 857
  neurotensin, 257
  oxytocin, 729, 737, 743, 765, 817, 825, 857, 893
  substance P, 59, 257
  vasopressin, 729, 825
Peptide radioimmunoassays, 125
  date reduction program
Periaqueductal grey, 13
  avoidance
  blood pressure
  chemical stimulation
  electrical stimulation
  heart rate
  orienting response
  respiration
  superior colliculus
Pituicyte, 33
  castration
  neurohypophysis
  testosterone replacement
Plasma homovanillic acid, 567
  fluphenazine

lesion, 6-hydroxydopamine
PO/AH thermosensitive neuron, 75
arachidonate cascade
interleukin-1
Pons, 581
medulla oblongata
midbrain
reticulospinal neurons
thermoresponsiveness
Positron emission tomography, 283
anatomical atlas
brain, baboon
orbitomeatal plane
Posterior hypothalamus, 633
baroreflex bradycardia
cats
GABAergic mechanism
Potential-sensitive dyes, 611
calcium-indicator dyes
imaging spectrophotometer
Pregnancy, 681
morphological plasticity
neuronal-glial plasticity
oxytocinergic
synaptic
Prehypertensive blood pressure, 1
atrial natriuretic factor
brain binding sites
strain differences
Prenatal/postnatal periods, 59
immunocytochemistry
interpeduncular nucleus
substance P development
Preoptic area
brain tissue slices, 857
cats, 897
hypothalamic ventromedial nucleus, 857
in vitro, 857
LH secretion, 721
lordosis, 857
multiple unit activity, 897
neonatal androgenisation, 721
noradrenaline, 721
single unit activity, 857
slow wave sleep, 897
Preoptic-tissue slices, 871
homeostatic systems
osmolality
Procaine
differential effects, 241
food hoarding, 247
GABA, 247
haloperidol, 247
locomotor activity, 241
mediodorsal thalamus, 241, 247
nucleus accumbens, 247
pedunculopontine nucleus, 241
subpallidal region, 247
Prostaglandin E_1, 183
food deprivation
hyperthermia
water deprivation
Puberty
drug interaction, 643
DSP4, 643
gonadotropic hormones, 709
growth, 643
hypothalamus, 709
luteinizing hormone, 643
ovaries, 709
Pulvinar nucleus, 573
cat
dorsal lateral geniculate nucleus
visual pretectal neurons
PVN stimulation, 779
cardiovascular regulation
hypothalamus
paraventricular nucleus
renal nerve activity

Raccoon, 597
muscarinic receptor binding
sensory deafferentation
somatosensory cortex
Raphe cell transplantation, 303
hippocampus
serotonin levels
Regeneration, 223
optic axons
Schwann cells
sciatic nerve isografts
Receptor regulation, 493
angiotensin II
fluid exchange
Renal nerve activity, 779
cardiovascular regulation
hypothalamus
paraventricular nucleus
PVN stimulation
Respiration, 13
avoidance
blood pressure
chemical stimulation
electrical stimulation
heart rate
orienting response
periaqueductal grey
superior colliculus
Reticulospinal neurons
medulla oblongata, 581
midbrain, 581
pons, 581
rubrospinal neurons, 387
thermally-induced activities, 387
thermoresponsiveness, 581
Retrograde transport, 139
afferent projections
parafascicular thalamic nucleus
wheat germ agglutinin
Rostrodiencephalic neurons, 817
in vivo
vasopressin receptors
Rubrospinal neurons, 387
reticulospinal neurons
thermally-induced activities

Schwann cells, 223
optic axons
regeneration
sciatic nerve isografts
Sciatic nerve isografts, 223
optic axons
regeneration
Schwann cells
Sensory deafferentation, 597
muscarinic receptor binding
raccoon
somatosensory cortex
Serotonin levels, 303
hippocampus
raphe cell transplantation
Serotonergic intraspinal neuron distribution, 349
immunohistochemistry
serotonergic intraspinal neuron morphology
Serotonergic intraspinal neuron morphology, 349
immunohistochemistry
serotonergic intraspinal neuron distribution
Serotonin-sensitivity, 89
circadian pacemaker
imipramine
suprachiasmatic nuclei
ventral lateral geniculate nuclei
Sex differences, 273
estrogen binding
hypothalamus
Sexual behavior, male rat, 323
dopamine neurons
medial preoptic area
Sexual behavior, monkeys, 863
dorsomedial hypothalamic nucleus
medial preoptic area
monkeys
single neuron activity
ventromdial hypothalamic nucleus
Sheep, 49
catecholamine/LHRH interaction
immunocytochemistry
Single neuron activity
dorsomedial hypothalamic nucleus, 863
feeding behavior, 839
glucose sensitivity, 839
medial preoptic area, 863
monkeys, 839, 863
sexual behavior, monkeys, 863
ventromedial hypothalamic nucleus, 863
Single unit activity, 857
brain tissue slices
hypothalamic ventromedial nucleus
in vitro
lordosis
preoptic area
Slow wave sleep, 987
cats
multiple unit activity
preoptic area
Sodium, 607
calcium
cationic conductance
neurons
Somatic motor cortex, 333
dorsal thalamus
thalamic connectivity
Somatosensory cortex, 597
muscarinic receptor binding
raccoon
sensory deafferentation
Somatostatin antiserum, 9
carbachol
nucleus tractus solitarius
paradoxical sleep
Sonic currents, 757
action potentials
dissociated cell cultures
supraoptic neurons
Spinal effects, 429
substance P fragments
tail flick test

Spreading depression, 421
  functional ablation
  olfactory bulb
  transient anosmia
  unit activity changes
Strain differences, 1
  atrial natriuretic factor
  brain binding sites
  prehypertensive blood pressure
Stress
  activity-stress paradigm, 407
  calcitonin, 415
  corticosterone levels, 407
  lesions, gastric, 415
  neuroendocrine correlates, 407
Subfornical organ
  atrial natriuretic peptide, 253
  choroid plexus, 253
  dorsomedial medulla, 197
  guanylate cyclase activity, 253
  paraventricular nucleus neurons, 197
  systemic angiotensin, 197
Subfornical organ neurons, 627
  atrial natriuretic peptide
  excitatory effects
  in vitro
Subpallidal region, 247
  food hoarding
  GABA
  haloperidol
  mediodorsal thalamus
  nucleus accumbens
  procaine
Substance P, 257
  calcitonin gene-related peptide
  lateral parabrachial nucleus
  neurotensin
Substance P development, 59
  immunocytochemistry
  interpeduncular nucleus
  prenatal/postnatal periods
Substance P fragments, 429
  spinal effects
  tail flick test
Superior colliculus, 13
  avoidance
  blood pressure
  chemical stimulation
  electrical stimulation
  heart rate
  orienting response
  periaqueductal grey
  respiration
Suprachiasmatic nuclei, 89
  circadian pacemaker
  imipramine
  serotonin-sensitivity
  ventral lateral geniculate nuclei
Supramammillary nucleus, 307
  anatomical characterization
  dopamine
  electrophysiology
Supraoptic neurons
  action potentials, 757
  dissociated cell cultures, 757
  hypothalamo-neurohypophysial system, 751
  ionic currents, 757
  milk ejection reflex, 737
  neural/glial interactions, 751
  neuropeptide central release, 737
  oxytocin, 737
  synaptic plasticity, 751
Sweating, 179
  hypothalamus
  monkeys
  thermoregulation
Sympathetic activity, 461
  lesions, paraventricular hypothalamic
  lesions, ventromedial hypothalamic
  paraventricular hypothalamus
  ventromedial hypothalamus
Synaptic, 681
  morphological plasticity
  neuronal-glial plasticity
  oxytocinergic
  pregnancy
Synaptic plasticity, 751
  hypothalamo-neurohypophysial system
  neural/glial interactions
  supraoptic nucleus
System calibration programs, 133
  data acquisition program
  microcomputer-based sleep system
Systemic angiotensin, 197
  dorsomedial medulla
  paraventricular nucleus neurons
  subfornical organ

Tachycardia, 785
  cardiac vagal control
  hyperthyroidism
  vagal excitability
Tail flick test, 429
  spinal effects
  substance P fragments
Telencephalic projections, 503
  anterograde degeneration
  goldfish
  hypothalamus
Testosterone replacement, 33
  castration
  neurohypophysis
  pituicyte
Thalamic connectivity, 333
  dorsal thalamus
  somatic motor cortex
Thalamic neurons, 529
  neocortical activation
Thalamus, 467
  amygdala
  excitant amino acid projections
  nucleus accumbens
Thermally-induced activities, 387
  reticulospinal neurons
  rubrospinal neurons
Thermoregulation
  antipyresis, 887
  arginine vasopressin, 887
  convulsive disorders, 887
  dehydration, 879
  hypothalamus, 179
  lesions, ventral septal area, 887
  monkeys, 179
  osmosensitive neuron, 879
  sweating, 179
  thermosensitive neuron, 879
Thermoresponsiveness, 581
  medulla oblongata
  midbrain
  pons
  reticulospinal neurons
Thermosensitive neuron, 879
  dehydration
  osmosensitive neuron
  thermoregulation
Thermosensitivity, 825
  in vitro studies
  osmosensitivity
  paraventricular neurons
Trace amines, 173
  catecholamine neurotransmission
  cortical neurone responses
Transient anosmia, 421
  functional ablation
  olfactory bulb
  spreading depression
  unit activity changes
Transmitter coexistence, 699
  paraventricular neurons
  neurotransmitter plasticity

Ultrastructure, 211
  hamsters
  luteinizing hormone-releasing hormone
Unit activity changes, 421
  functional ablation
  olfactory bulb
  spreading depression
  transient anosmia

Vagal communicating branch
  cell body location, 189
  central projections, 479
  ferret, 189, 479
  vagus nerve, 189
Vagal excitability, 785
  cardiac vagal control
  hyperthyroidism
  tachycardia
Vagus nerve
  cell body location, 189
  ferret, 189
  nucleus of the solitary tract, 799
  olfactory bulb, 799
  paraventricular nucleus, 799
  vagal communicating branch, 189
Vasopressin, 831
  atrial natriuretic factor
  central nervous system functions
  hypothalamus
  luteinizing hormone secretion
Vasopressin receptors, 817
  in vivo
  rostrodiencephalic neurons
Ventral lateral geniculate nuclei, 89
  circadian pacemaker
  imipramine
  serotonin-sensitivity
  suprachiasmatic nuclei
Ventromedial hypothalamic nucleus, 863
  dorsomedial hypothalamic nucleus
  medial preoptic area
  monkeys
  sexual behavior, monkeys
  single neuron activity
Ventromedial hypothalamus, 461
  lesions, paraventricular hypothalamic
  lesions, ventromedial hypothalamic
  paraventricular hypothalamus
  sympathetic activity
Visual pretectal neurons, 573

cat
dorsal lateral geniculate nucleus
pulvinar nucleus
Visual system, 381
cerebral glucose utilization
nicotine
Water deprivation, 183
food deprivation
hyperthermia
prostaglandin E_1
Wheat germ agglutinin, 139
afferent projections
parafascicular thalamic nucleus
retrograde transport
Xenograft, 369
brain, rat
fascia dentata tissue
hippocampal tissue
hippocampus
laminar specific nerve connections
neuropeptide specific nerve connections

AUTHOR INDEX

Adachi, A., 487
Airhart, M. J., 503
Aldes, L. D., 333
Amemori, T., 421
Anderson, D. G., 267
Anderson, S. M., 407
Antoni, F. A., 729
Aou, S. 839, 863
Asami, A., 75, 387
Asami, T., 75, 387, 581

Bakalian, M. J., 133
Baldwin, H. A., 603
Balika, K., 709
Barbella, Y., 253
Barney, C. C., 183
Barraco, R. A., 129
Barragan, E., 433
Bauer, R. M., 633
Baumgarten, H.-G., 549
Beart, P. M., 467
Becemberg, I., 253
Berman, R. F., 203
Berry, M., 223
Bicknell, R. J., 721, 743
Billiar, R. B., 315
Bing, G., 399
Bitran, D., 323
Blackburn, R. E., 803
Blue, P., 27
Boulant, J. A., 871
Boulton, A. A., 173
Bray, G. A., 461
Brooks, C. McC., 657
Buijs, R., 771
Buranarugsa, P., 627
Bureš, J., 421

Caria, M. A., 83
Chai, C. Y., 515
Charpak, S., 765
Cinelli, A. R., 433, 539
Cobbett, P., 757
Cornwall, J., 139
Crumbaugh, J. S., 183
Culler, M. D., 713

Dam, M., 381
Danguir, J., 9
Davis, B. J., 545
Dawson, T. M., 447
Dean, P., 13
Deems, D. A., 619
de Saint-Hilaire-Kafi, S., 9
Deteresa, R. M., 125
Dhillon, G. S., 407
Diez-Guerra, F.-J., 721
Disturnal, J., 887
Dohanits, J., 729
Dreifuss, J. J., 669, 765
Dubois-Dauphin, M., 765
Dudley, C. A., 157
Dyball, R. E. J., 675, 825
Dyer, R. G., 721, 743

Eddlestone, G., 461

Fanelli, R. J., 381
Fass, B., 233, 277
Ferguson, A. V., 197
Fernstrom, J. D., 133
Ferreyra-Moyano, H., 433, 539
File, S. E., 603
Filloux, F., 447
Finsen, B., 369
Fitzakerley, J. L., 189, 479
Flerko, B., 713
Fregly, M. J., 493
Freund-Mercer, M.-J., 737
Frostholm, A., 163
Fujita, I., 863
Fukuda, A., 839

Gähwiler, B. H., 669
Garcia-Diaz, D. E., 799
Garrido, M. R., 253
Garten, L. L., 675
Gash, D. M., 105, 399
George, S. R., 361
German, D. C., 307
Gibson, C. J., 643
Gisolfi, C. V., 179
Groos, G. A., 89
Grossmann, R., 721
Guevara-Aguilar, R., 799
Guibert, B., 283

Haas, D. A., 361
Hajnal, A., 847
Halász, B., 709
Hall, S., 223
Hamill, G. S., 59, 233, 277
Hamill, R. W., 349
Hansen, J. T., 399
Hantraye, P., 283
Harder, D. R., 651
Hatton, G. I., 33, 751
Hess, G. D., 473
Holder, M. D., 619
Hollingsworth, S., 721
Holmes, G. M., 323
Holmes, M. C., 729
Homeister, J. W., 183
Hori, T., 75, 387, 581, 879
Hubbard, J. I., 627
Hull, E. M., 323

Inenaga, K., 757, 825
Inomata, H., 573
Inoue, T., 879
Ishikawa, K., 303
Ishikawa, T., 415
Israel, A., 253
Ito, C., 839
Iwasaki, M., 303

Jacobson, W., 643
Jandó, G., 847
Janowsky, A., 567
Janusz, C. J., 129
Jeulin, A. C., 817
Jhamandas, J. H., 771
Jimenez-Montufar, L. L., 799
Johnson, D. J., 267
Johnson, J. E., Jr., 39
Jones, L. S., 607

Kai, Y., 839
Kalash, J., 315
Kaneseki, T., 573
Kannan, H., 779, 811
Kant, G. J., 407
Karádi, Z., 839, 847
Karsch, F. J., 49
Katayama, Y., 303
Kawamura, H., 897
Kawata, M., 693
Keay, K. A., 13
Kiss, J. Z., 699
Kiyohara, T., 387, 581, 879
Kobashi, M., 487
Koga, H., 75, 879
Kollai, B., 785
Kollai, M., 785
Konkol, R. J., 651
Kosuge, T., 315
Koulu, M., 567
Kovács, G., 709
Kovács, G. L., 893
Kovács, K. J., 729
Köves, K., 709
Kow, L.-M., 857
Koyama, Y., 863
Kregel, K. C., 179
Kriebel, R. M., 503
Kubota, T., 573
Kuo, J. S., 515

Labarca, R., 567
Laman, T. G., 183
Lauber, A. H., 273
Lawson, S. N., 261
Lee, E. H. Y., 515
Legendre, P., 757
Lehman, M. N., 49, 211
Lénárd, L., 839, 847
Leng, G., 743, 803
Lewis, D. V., 607
Lin, A. M. Y., 515
Lin, Y. F., 515
Linnoila, M., 567
Loc'h, C., 283
London, E. D., 381
Lookingland, K. J., 323
Lucier, G. E., 189, 479
Lupica, C. R., 203

McCabe, J. T., 693
McCarthy, P. W., 261
McCarty, R., 1

Makara, G. B., 729
Malkinson, T. J., 887
Mameli, O., 83
Mansfield, S., 721, 743
Martin, S. M., 887
Mason, W. T., 757
Mathieson, B., 887
Matsuzaki, T., 257
Mazière, B., 283
Mazière, M., 283
Mazurek, M. F., 729
Meijer, J. H., 89
Melis, F., 83
Merchenthaler, I., 713
Mihailoff, G. A., 307
Min, B. I., 839
Miyazaki, S., 303
Modney, B. K., 33
Mogenson, G. J., 241, 247
Molina, J. C., 433
Molnár, J., 709
Montagnese, C., 681
Montone, K. T., 233
Moos, F., 737
Morimoto, M., 573

Moss, R. L., 157
Mougey, E. H., 407
Muchlinski, A. E., 267
Muiderman, A. K., 183

Nakashima, T., 75, 387, 581, 879
Naquet, R., 283
Naylor, A., 887
Negro-Villar, A., 713
Neustadt, A., 163
Newton, B. W., 349
Nicolaidis, S., 817
Niijima, A., 779, 811
Nishino, H., 839
Notter, M. F. D., 399

Ogawa, H., 303
Ogawa, Y., 897
Oomura, Y., 839, 863
O'Regan, M. H., 151
Owen, M. D., 179

Pan, C. M., 515
Parizon, M., 129
Pastel, R. H., 133
Paterson, I. A., 173
Paul, S. M., 567
Petrusz, P., 713
Pfaff, D. W., 693, 857
Phillipson, O. T., 139
Phillis, J. W., 151
Pickar, D., 567
Pittman, Q. J., 887
Polasek, P. M., 129
Poulain, D. A., 681, 737
Poulin, P., 887
Poulsen, P. H., 369

Raby, W., 771
Raggenbass, M., 765
Randle, J. C. R., 771
Rasmusson, D. D., 597
Redgrave, P., 13
Rees, L., 223
Renaud, L. P., 771
Reyher, C. K. H., 549
Richard, P., 737
Riche, D., 283
Roberts, P. A., 129
Robinson, T. G., 467
Roerig, D. L., 651
Rodriguez, F., 737
Romita, V., 315
Rotter, A., 163
Russell, J. A., 743, 803

Sakaguchi, T., 461
Salaman, C. P., 839
Sampson, S. M., 597
Samson, W. K., 831
Sándor, P., 847
Schmidley, J. W., 27
Schwerdtfeger, W. K., 549
Shaw, C., 597
Shepard, P. D., 307
Shibata, M., 75
Shibanoki, S., 303
Shinohara, Y., 257
Shiraishi, T., 791
Shirk, J. O., 503
Sievers, J., 223
Ski kim, Y., 567
Silva, N. L., 871
Silverman, A.-J., 49, 211
Simon, T., 633
Sisk, C. L., 157
Smithson, K. G., 751
Sofroniew, M. V., 669
Sørensen, T., 369
Stewart, D. J., 529
Stewart, R. E., 1
Stockbridge, N., 611
Stoll, V., 709
Sumners, C., 493
Swithers, S. E., 1
Szentágothai, J., 655

Taché, Y., 415
Telegdy, G., 893
Theodosis, D. T., 681, 737
Thomas, J. W., 567
Tobias, H., 125
Tohyama, M., 257
Tolu, E., 83
Tribollet, E., 765
Tsubokawa, T., 303
Tsuji, K., 315
Tweedle, C. D., 33

Vanderwolf, C. H., 529
Veale, W. L., 887
Vela, M. B., 633
Vincent, J.-D., 681, 737
Vivaldi, E. A., 133
Vu, T. H., 59

Waldrop, T. G., 633
Wall, P. T., 179
Wamsley, J. K., 447
Wayner, M. J., 799
Weissman, A. D., 39
Wesselmann, U., 651
Wiegand, S. J., 105
Wilkinson, L., 567
Wilkinson, M., 597, 643
Wilson, K. M., 493
Wu, M., 241, 247

Yamano, M., 257
Yamasaki, M., 75
Yamashita, H., 779, 811, 825
Yang, Q. Z., 751
Yirmiya, R., 619
Yiu, P., 223
Yoshimatsu, H., 863
Young, J. K., 97

Zagon, I. S., 473
Zhao, B.-G., 743
Zhou, F. C., 619
Zimmer, J., 369